

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions of claims in the application.

1. (Previously presented) A fibre insulation material comprising primary fibre components of

a portion of 50 % to 90 % cellulose fibres said cellulose fibres having a length between about 0.5 to 10 mm;

a portion of 2 % to 20 % synthetic fibres, said synthetic fibres being crimped fibres and having a length between 12 to 75 mm; and

a portion of 2 % to 20 % bi-component fibres comprising a core and an outer sheathing, said outer sheathing having a lower melting point than the core, said bi-component fibres having a length between 1 to 10 mm and an average length of approximately 3 mm.

2. (Previously presented) A fibre insulation material according to claim 1, wherein said synthetic fibres are provided with fire-retarding chemical.

3. (Previously presented) A fibre insulation material according to claim 2, wherein said cellulose fibres are saturated with the fire-retarding chemical.

4. (Previously presented) A fibre insulation material according to claim 2, wherein the content of the fire-retarding chemical is between 1 and 30 % of the total fibre material composition.

5. (Previously presented) A fibre insulation material according to claim 1, wherein said cellulose fibres having a length between 1 to 10 mm.

6. (Cancelled)

7. (Currently amended) A fibre insulation material according to claim 1, wherein said fibre insulation board material is manufactured with a grammar weight of 10 to 50 kg/m³.

8. (Previously presented) A fibre insulation material according to claim 1, wherein said synthetic fibres are hollow.

9. (Previously presented) A fibre insulation material according to claim 1, wherein said crimped synthetic fibres are helically shaped.

10. (Withdrawn) A method of manufacturing a fibre board made of a material according to claim 1, whereby the material is laid onto a forming wire in an air-laid dry forming process and cured in a heat treatment process in which the formed fibre board is subjected to an air circulation with air heated to a temperature of 90°C to 145°C.

11. (Previously presented) A fibre insulation material according to claim 6 wherein said bicomponent fibres have a length of approximately 3 mm.

12. (Withdrawn) The method of claim 10, wherein the fibre board is subjected to the air circulation with the air heated to a temperature of approximately 130°C.

13. (Previously presented) A fibre insulation material according to claim 2, wherein said fire-retarding chemical comprises at least one of Borax, Boric acid, Ammonium sulphate and aluminium sulphate mixed with said synthetic fibres.